

# GPS Tracker

## 车载定位器

### *Operation Commands*

## 操作指令

Version/版本: V1.2

© EELINK PROTOCOL

---

---

1. APN setting .....	5
2. Server setting .....	5
3. GPRS upload time interval .....	6
4. Time zone setting .....	6
5. Language setting.....	7
6. Center number setting.....	8
7. Delete center number.....	8
8. Add SOS number .....	9
9. Delete SOS number .....	10
10. Edit location query URL .....	10
11. Monitor delay time setting.....	11
12. Heartbeat packet upload .....	12
13. Geo-fence alarm setting.....	12
14. Delete Geo-fence .....	14
15. Vibration alarm setting .....	15
16. Shift alarm setting .....	15
17. Close Shift alarm.....	15
18. Remote Upgrade.....	16
19. Cut off oil & power .....	16
20. Restore oil & power .....	17

21. Restart terminal .....	17
22. Restore factory settings .....	17
23. Version inquiry.....	18
24. Parameter inquiry.....	18
25. Latitude and Longitude Inquiry .....	19
26. Status inquiry.....	19
27. Location Links inquiry.....	20
28. Address inquiry.....	20
29. SMS forwarding.....	20

1、APN 设置 .....	23
2、服务器设置 .....	23
3、GPRS 定时发送设置 .....	24
4、时区设置 .....	24
5、语言设置 .....	25
6、中心号码设置 .....	25
7、中心号码删除 .....	26
8、添加 SOS 号码.....	26
9、删除 SOS 号码.....	27

10、编辑位置查询链接 .....	28
11、进入监听延时设置 .....	28
12、心跳包上传时间设置 .....	29
13、电子围栏报警设置 .....	30
14、删除电子围栏 .....	32
15、振动报警设置 .....	32
16、位移报警设置 .....	33
17、关闭位移报警 .....	33
18、远程升级 .....	33
19、断油电 .....	34
20、恢复油电 .....	34
21、重启指令 .....	34
22、恢复出厂设置 .....	35
23、查询软件版本 .....	35
24、查询参数 .....	35
25、查询经纬度 .....	36
26、查询状态 .....	37
27、查询位置链接 .....	37
28、查询地址 .....	38
29、短信转发 .....	38

## Explanation about the commands

1. All the commands are case-insensitive.
2. All the parameters of the commands can be edited and sent by mobile phones or platform network. The symbols of the commands are English symbols (One symbol length accounted for a byte).
3. Parameters of the commands separated by Comma, the parameters with italic. and Consolas font type need be altered by users or are altered by terminals automatically.
4. The instructions in `[      ]` are optional to fill in the content.

## 1. APN setting

*APN, Network name [, name, password]#*

Example:

*APN, CMNET#*

*APN, internet, orange, internet#*

Note:

1) If the setup is successful, the terminal will reply: SET APN OK

2) Restore the factory APN settings without parameters.

## 2. Server setting

*SERVER, 1, domain, port#*

*SERVER, 0, IP, port#*

Example:

*SERVER, 1, www.sky200.com, 32001#*

*SERVER, 0, 42.120.22.24, 32001#*

If the setup is successful, the terminal will reply: SET SERVER OK

### 3. GPRS upload time interval

*TIMER,Upload time interval[,Packet number]#*

Example:

*TIMER,10#*

*TIMER,10,5#*

Note:

Upload interval: 0,10 ~ 18000s, 0 means prohibit uploading, default is 10s .

Package number :1-20, default is 1

If the setup is successful, the terminal will reply:

SET TIMER OK

### 4. Time zone setting

*GMT,Time zone orientation,Whole Time Zone[,Half Time Zone] #*

Example :

GMT, E, 9#

GMT, E, 9, 30#

Note:

Range: E / W; 0 ~ 12; 0/15/30/45

If the setup is successful, the terminal will  
reply:

SET GMT OK

## 5. Language setting

LANG, 1/0#

Example :

LANG, 1#

LANG, 0#

Note:

1 represents Chinese

0 represents English



If the setup is successful, the terminal will reply:

SET LANG OK

## 6. Center number setting

CENTER,*A*,*center number*#

Example:

CENTER,*A*,*13800138000*#

Center number is used for cutting off power and oil.

If the setup is successful, the terminal will reply:

SET CENTER OK

## 7. Delete center number

CENTER,*D*#

Center number is used for cutting off power and oil.

If the deletion is successful, the terminal will  
reply:  
DEL CENTER OK

## 8. Add SOS number

*SOS,A,1st number,2nd number,3rd  
number#*

Example :

*SOS,A,13800138000,13800138001,138  
00138002#* means to set 3 numbers at a time .

*SOS,A,13800138000#* means to set 1st  
number.

*SOS,A,,13800138001#* means to set 2nd  
number.

*SOS,A,,,13800138002#* means to set 3rd  
number.

If the setup is successful,the terminal will  
reply:  
SET SOS OK

## 9. Delete SOS number

*SOS,D,1st number,2nd number,3rd number#*    or    *SOS,D,1,2,3#*

Example :

*SOS,D,13800138000#*    means    to directly delete the number.

*SOS,D,1#* means to delete 1st number.

*SOS,D,3#* means to delete 2nd number.

*SOS,D,2,3#* means to delete 2nd and 3rd number.

If the setup is successful,the terminal will reply:

DEL SOS OK

## 10. Edit location query URL

*EURL,website url#*

Example:

EURL, *http://maps.google.com/  
maps?q=#*

If the setup is successful, the terminal will  
reply:

SET EURL OK

## 11. Monitor delay time setting

DELAY, *time#*

Example:

DELAY, *5#*

Note:

Range :5-60s, default is 10s.

If the setup is successful, the terminal will  
reply:

SET DELAY OK

## 12. Heartbeat packet upload

HBT,*time*#

Example:

HBT,3#

Note:

Range :1-60min, default 3min.

If the setup is successful, the terminal will reply:

SET HBT OK

## 13. Geo-fence alarm setting

FENCE,*fence ID,fence tag,parameter1,parameter2,parameter3,parameter4*#

Example:

FENCE,1,OR,,,500#

Set No.1 round fence,OR alarm type: out-fence alarm; current point as the center, radius 500 m.

**FENCE, 2, IR, , , 500#**

Set No.2 round fence, IR alarm type: in-fence alarm; current point as the center, radius 500 m.

**FENCE, 3, CR, , , 500#**

Set No.3 round fence, CR alarm type: across-fence alarm; current point as the center, radius 500 m.

**FENCE, 4, OR, 113.5, 22.5, 500#**

Set No.4 round fence, OR alarm type: out-fence alarm; Latitude and longitude (113.5,22.5) as the center, radius 500 m.

**FENCE, 5, IR, 113.5, 22.5, 500#**

Set No.5 round fence, IR alarm type: in-fence alarm; Latitude and longitude (113.5,22.5) as the center, radius 500 m.

**FENCE, 6, CR, 113.5, 22.5, 500#**

Set No.6 round fence, CR alarm type: across-fence alarm; Latitude and longitude (113.5,22.5) as the center, radius 500 m.

**FENCE, 1, OS, 113.2, 22.2, 113.8, 22.8#**

Set No.1 rectangular fence, OS alarm type:  
out-fence alarm; In longitude and latitude (113.5,  
22.5), (113.8, 22.8) forming a rectangle.

*FENCE, 2, IS, 113.2, 22.2, 113.8, 22.8#*

Set No.2 rectangular fence, IS alarm type:  
in-fence alarm; In longitude and latitude (113.5,  
22.5), (113.8, 22.8) forming a rectangle.

*FENCE, 3, CS, 113.2, 22.2, 113.8, 22.8#*

Set No.3 rectangular fence, CS alarm type:  
across-fence alarm; In longitude and latitude (113.5,  
22.5), (113.8, 22.8) forming a rectangle.

## **14. Delete Geo-fence**

*FENCE, 0# OR*

*FENCE, N#*

Example :

*FENCE, 0#*      Delete all fences

*FENCE, 5#*      Delete the 5th fence

## 15. Vibration alarm setting

MOTION, *sensitivity, timeout*#

Example:

MOTION, 2, 5#

If setup successful, Terminal reply:

SET MOTION OK

Note:

Sensitivity range: 0-9

Timeout range: 0-60

Vibration alarm will be closed when sensitivity is 0;

## 16. Shift alarm setting

SHIFT, *shift range*#

Example:

SHIFT, 100#

Note: Shift alarm is only valid in flameout state .



## 17. Close Shift alarm

SHIFT, 0#

Close Shift alarm.

## 18. Remote Upgrade

UPGRADE, *upgrade package,  
domain name/IP, port #*

Example:

UPGRADE, C4\_M5050\_v1\_7\_7.exf,  
www.sky200.com, 69#

upgrade package: C4\_M5050\_v1\_7\_7.exf  
Domain: www.sky200.com  
Port: 69

## 19. Cut off oil & power

RELAY, 1#

If setup successful, Terminal reply:  
Relayer enable OK

Otherwise, Command can not be executed and reply the reasons:

Not center number, GPS not positioned or speed > 20KM / H

## **20. Restore oil & power**

RELAY, 0#

If setup successful, Terminal reply:  
Relay disable OK

## **21. Restart terminal**

RESET#

Terminal reply: Reset OK

## **22. Restore factory settings**

FACTORY#

Terminal reply: Factory OK

## 23. Version inquiry

VERSION#

Reply:

VERSION:M5216\_V1.8.0

BUILD:2012-05-09 10:12

## 24. Parameter inquiry

PARAM#

Reply:

IMEI:123456789012345

APN:cmnet

IP:Server:port

TIMER:GPS Packet Interval

CENTER:Center number

SOS:Number1,Number2,Number3

LANG: CN/EN

GMT: E/W 8.00

HBT:Heartbeat interval

DELAY:Monitoring delay time

## **25. Latitude and Longitude Inquiry**

WHERE#

Reply:

Lat:N23.111743

Lon:E114.409238

Course:0.00

Speed:0.17KM/H

Date Time:2011-09-13 20:21:20

## **26. Status inquiry**

STATUS#

Reply:

BATTERY:100%

GPRS:NORMAL/EXCEPTIONAL

GSM Signal:HIGH/MIDDLE/LOW

GPS: FIXED/UNFIXED

GPS SIGNAL: HIGH/MIDDLE/LOW

ACC: OPEN/CLOSE

RELAYER: ENABLED/DISABLED

CHARGER: NORMAL/EXCEPTIONAL

## 27. Location Links inquiry

URL#

Reply:

<Date Time:10-11-18 18:41:04>

Http://maps.google.com/maps?q=22.555525  
,113.940147

## 28. Address inquiry

POSITION# or 123

Reply:

3 Songpingshan Qimin Road, Nanshan,  
Shenzhen, Guangdong, China, 518057

Note: Reply position message's language is determined by device's language setting, if get position content failed, reply the device's Google Maps location link.

## 29. SMS forwarding

FW,*forwarding number*,*content*#

Example:

FW,10086,CXYE#

FW,10010,CXYE#

When terminal receives the message, put the query in a text message sent to the tracking number, and return the message to the sender with the content back from tracking number in 5 minutes. Can be used for inquiry calls, traffic, etc.

# 指令说明

- 1、以下所有指令字符大小写无关。
- 2、指令各功能参数可以通过手机或平台编辑、发送，指令的符号为英文符号（长度占一个字节）。
- 3、指令参数之间以逗号分隔，*斜体*字符需要客户输入相关内容，以#结尾。
- 4、指令中 [ ] 中为可选填内容。

## 1、APN 设置

APN,网络名[, 登录名, 登录密码]#

举例：

APN,CMNET#

APN,internet,orange,internet#

注：

1) 若设置成功，终端会回复：

SET APN OK

2) 指令无参数时，恢复出厂 APN 设定。

## 2、服务器设置

SERVER,1,域名,端口#

SERVER,0,IP,端口#

举例：

SERVER,1,www.sky200.com,32001#

SERVER,0,42.120.22.24,32001,0#

若设置成功，终端会回复：

SET SERVER OK



### 3、GPRS 定时发送设置

TIMER, 上传时间间隔[, 打包条数]#

举例：

TIMER, 10# 或

TIMER, 10, 5#

注：

上传时间间隔：0，10~18000s，0 表示禁止上传，默认为 10s

打包条数：1-20，默认为 1

若设置成功，终端会回复：

SET TIMER OK

### 4、时区设置

GMT, 时区方位, 整时区[, 半时区]#

举例：

GMT, E, 9#

GMT,E,9,30#

范围：E/W ; 0~12 ; 0/15/30/45

若设置成功，终端会回复：

SET GMT OK

## 5、语言设置

LANG,1/0#

举例：

LANG,1#

LANG,0#

1 表示中文 0 表示英文

若设置成功，终端会回复：

SET LANG OK

## 6、中心号码设置

CENTER,A,中心号码#

举例：

CENTER,A,13800138000#

中心号码用于短信断油电  
若设置成功，终端会回复：  
SET CENTER OK

## 7、中心号码删除

CENTER,D#

中心号码用于短信断油电  
  
若设置成功，终端会回复：  
DEL CENTER OK

## 8、添加 SOS 号码

SOS,A, 号码 1, 号码 2, 号码 3#

举例：

SOS,A,13800138000,13800138001  
,13800138002# 为一次设置 3 个 SOS 号码

SOS,A,13800138000# 表示设置第 1 个 SOS 电话

SOS,A,,13800138001# 表示设置第 2 个 SOS 电话

SOS,A,,,13800138002# 表示设置第 3 个 SOS 电话

SOS 号码用于紧急求救

若设置成功，终端会回复：

SET SOS OK

## 9、删除 SOS 号码

SOS,D, 号码 1, 号码 2, 号码 3# 或

SOS,D,1,2,3#

举例：

SOS,D,13800138000# 为直接删除该号码

SOS,D,1# 表示删除第 1 个号码

SOS,*D*,*3*# 表示删除第 3 个号码

SOS,*D*,*2,3*# 表示删除第 2 和第 3 个号码

SOS 号码用于紧急求救  
若设置成功，终端会回复：  
DEL SOS OK

## 10、编辑位置查询链接

EURL, *网络链接*#

举例：

EURL, *http://maps,google.com/  
maps?q=#*

若设置成功，终端会回复：  
SET EURL OK

## 11、进入监听延时设置

DELAY, *时间*#

举例：

DELAY, 5#

注：

范围：5-60s，默认 10s

若设置成功，终端会回复：

SET DELAY OK

## 12、心跳包上传时间设置

HBT, 时间#

举例：

HBT, 3#

注：

范围：1-60min,默认 3min

若设置成功，终端会回复：

SET HBT OK

## 13、电子围栏报警设置

FENCE,<围栏编号>,<围栏标记>,<围栏参数 1>,<围栏参数 2>,<围栏参数 3>,<围栏参数 4>#

举例：

FENCE,1,OR,,,500#

设定 1 号圆形围栏，OR 报警方式：出围栏报警；以当前点为圆心，半径 500 米。

FENCE,2,IR,,,500#

设定 2 号圆形围栏，IR 报警方式：入围栏报警；以当前点为圆心，半径 500 米。

FENCE,3,CR,,,500#

设定 3 号圆形围栏，CR 报警方式：跨越围栏报警；以当前点为圆心，半径 500 米。

FENCE,4,OR,113.5,22.5,500#

设定 4 号圆形围栏，OR 报警方式：出围栏报警；以经纬度（113.5,22.5）为圆心，半径 500 米。

**FENCE, 5, IR, 113.5, 22.5, 500#**

设定 5 号圆形围栏，IR 报警方式：入围栏报警；以经纬度（113.5, 22.5）为圆心，半径 500 米。

**FENCE, 6, CR, 113.5, 22.5, 500#**

设定 6 号圆形围栏，CR 报警方式：跨越围栏报警；以经纬度（113.5, 22.5）为圆心，半径 500 米。

**FENCE, 1, OS, 113.2, 22.2, 113.8, 22.8#**

设定 1 号矩形围栏，OS 报警方式：出围栏报警；以经纬度（113.5, 22.5）、（113.8, 22.8）对角线构成的矩形。

**FENCE, 2, IS, 113.2, 22.2, 113.8, 22.8#**

设定 2 号矩形围栏，IS 报警方式：入围栏报警；以经纬度（113.5, 22.5）、（113.8, 22.8）对角线构成的矩形。

**FENCE, 3, CS, 113.2, 22.2, 113.8, 22.8#**

设定 3 号矩形围栏，CS 报警方式：跨越围栏报警；以经纬度（113.5, 22.5）、（113.8, 22.8）对角线构成的矩形。



## 14、删除电子围栏

FENCE, 0# 或

FENCE, N#

举例：

FENCE, 0# 为删除全部围栏

FENCE, 5# 为删除 5 号围栏

## 15、振动报警设置

MOTION, 灵敏度, 持续时间#

举例：

MOTION, 2, 5#

注：

灵敏度范围：0-9

持续时间范围：0-60

灵敏度为 0 将关闭振动报警；

若设置成功，终端会回复：

SET MOTION OK

## 16、位移报警设置

SHIFT, 位移范围#

举例：

SHIFT, 100#

若设置成功，终端会回复：

SET SHIFT OK

注：仅当车辆熄火以后，车辆被动位移才会触发位移报警。

## 17、关闭位移报警

SHIFT, 0#

关闭位移报警。

## 18、远程升级

UPGRADE, 升级包, 域名/IP, 端口#

举例：

UPGRADE, C4\_M5050\_v1\_7\_7.exf,  
www.sky200.com, 69#

升级包为：C4\_M5050\_v1\_7\_7.exf

升级域名: www.sky200.com  
端 口 号: 69

## 19、断油电

RELAY, 1#

若设置成功，终端会回复：  
RELAYER ENABLE OK

注：

否则，回复错误原因。

非中心号码、GPS未定位及速度>20KM/H时不能执行此命令；

## 20、恢复油电

RELAY, 0#

若设置成功，终端会回复：  
RELAYER DISABLE OK

## 21、重启指令

RESET#

若设置成功，终端会回复：  
RESET OK

## 22、恢复出厂设置

FACTORY#

若设置成功，终端会回复：  
FACTORY OK

## 23、查询软件版本

VERSION#

返回：  
VERSION:M5216\_V1.8.0  
BUILD:2012-05-09 10:12

## 24、查询参数

PARAM#

返回：  
IMEI:123456789012345

APN:cmnet  
IP:服务器:端口  
TIMER:GPS 数据包间隔时间  
CENTER:中心号码  
SOS:号码 1,号码 2,号码 3  
LANG:语言 (CN/EN)  
GMT:时区 (E/W8.00)  
HBT:心跳包间隔时间  
DELAY:监听延时时间

## 25、查询经纬度

WHERE#

返回:

Lat:N23.111743

Lon:E114.409238

Course:0.00

Speed:0.17KM/H

DateTime:2011-09-13 20:21:20

## 26、查询状态

STATUS#

返回:

BATTERY:100%

GPRS:NORMAL/EXCEPTIONAL

GSM Signal:HIGH/MIDDLE/LOW

GPS: FIXED/UNFIXED

GPS SIGNAL: HIGH/MIDDLE/LOW

ACC: OPEN/CLOSE

RELAYER: ENABLED/DISABLED

CHARGER: NORMAL/EXCEPTIONAL

## 27、查询位置链接

URL#

<DateTime:10-11-18 18:41:04>

<http://maps.google.com/maps?q=22.555525,113.940147>

## 28、查询地址

POSITION# 或 123

返回：

中国广东省深圳市南山区松坪山齐民道 3 号 邮政编码：518057

注：

回复的信息为中文还是英文，由终端设置的语言决定，如获取位置不成功，将返回谷歌地图的位置链接。

## 29、短信转发

FW, 转发号码, 转发内容#

举例：

FW, 10086, CXYE#

FW, 10010, CXYE#

终端收到短信后，把查询内容以短信方式发送到查询号码，在 5 分钟内收到查询号码的回复后转发给发件人。

可用来做查询话费，流量等功能。